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(71) Applicant: SUMITOMO METAL IND LTD

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(54) ULTRAHIGH STRENGTH STEEL PLATE FOR LINE PIPE AND ITS PRODUCTION

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an ultrahigh strength steel plate for line pipe excellent in HIC resistance and CO_2 corrosion resistance and having ≥ 900 N/mm² tensile strength.

SOLUTION: The steel plate has a steel composition

which consists of, by weight, 0.03-0.10% C, 0.05-0.40% Si, 1.00-1.50% Mn, $\leq 0.030\%$ P, $\leq 0.0020\%$ S, <0.50% Cu, 0.81-1.50% Cr, 0.01-0.10% Nb, 0.01-0.10% V, 0.005-0.030% Ti, \leq 0.06% AI, <0.007% N, 0.0005-0.0050% Ca, 0.0004-0.0020% B, and the balance Fe with inevitable impurities and in which carbon equivalent Ceq. is regulated to 0.48 to 0.60%. Moreover, this steel plate has a mixed structure of lower bainite and lath-like martensite.

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Title:

JP11229079A2: ULTRAHIGH STRENGTH STEEL PLATE FOR LINE P

ITS PRODUCTION

PDerwent Title:

Steel sheet for pipe line - consists of mixed structure of bainite and lath

martensite [Derwent Record]

Country:

JP Japan

A (See also: JP03344308B2)

Inventor:

MIURA MITSURU: YAMAMOTO AKIO;

IKEDA TOMOAKI;

Assignee:

SUMITOMO METAL IND LTD

News, Profiles, Stocks and More about this company

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